

ABSTRACT

5       The invention provides a method for two-dimensional  
evaluation of the nature of horny layer oxidized protein  
on a horny layer, the method comprising specific  
fluorescent labeling of the carbonyl groups of the  
oxidized protein in a horny layer specimen taken from  
skin, and detection of the fluorescence for evaluation,  
as well as a kit used to carry out the method and a  
10   method for screening of agents which inhibit increase in  
oxidized protein. The invention further provides a  
method for detecting the oxidized form of a cornified  
envelope consisting of the water-insoluble substances in  
a skin-derived horny layer specimen, the method  
15   comprising specific fluorescent labeling of the carbonyl  
groups in a cornified envelope in the oxidized form and  
detection of the fluorescence thereof for evaluation.